

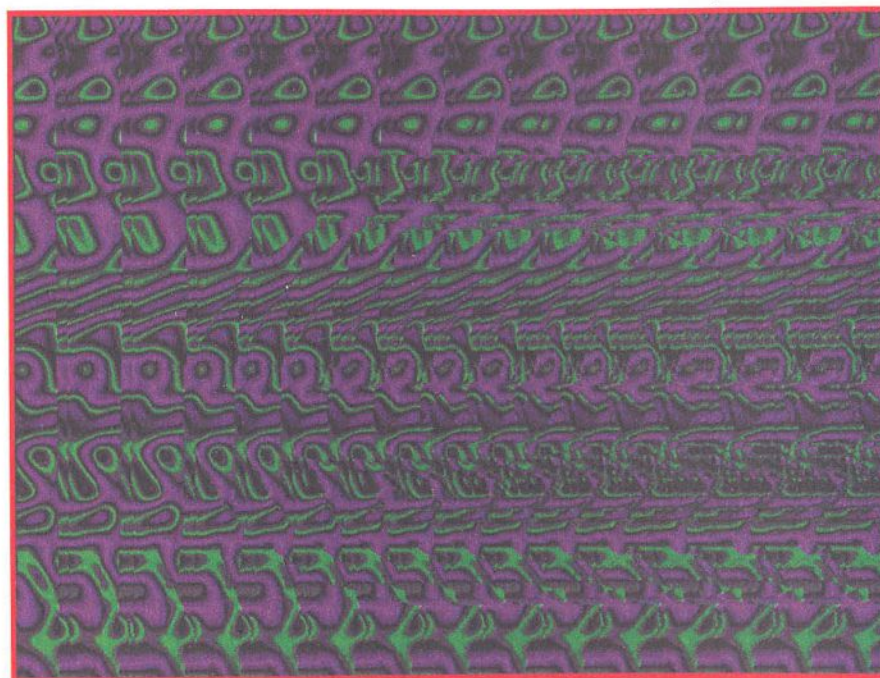
EYE ILLUSIONS™

Ladybird 

Magic 3-D Pictures

only
£2.99

EYE ILLUSIONS™



Written by Jim Anderson
Book Design by TXF Graphics

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INTRODUCTION

Welcome to a new world! Hidden within the beautiful abstract pictures in this book are exciting three-dimensional images. All you need to do is look at the pictures in a special way, relax, and the images will unfold in front of you as if by magic. You will see images of animals and toys, people and things – all in brilliant colour and sharp detail. You might even be tempted to reach out and touch them!

The wonderful images in this book are called 'stereograms'. They are flat, two-dimensional pictures that, when viewed in a certain way, appear to have three dimensions.

In three-dimensional – or 3-D pictures – things not only have height and width, they have depth as well.

Early 3-D pictures were really two images, and you needed special glasses or a special viewer to look at them. Thanks to modern computer technology, stereograms are now single images that can be viewed directly by anyone!

For hundreds of years scientists have been studying how vision works. Artists began using this knowledge to draw 3-D pictures over 150 years ago, but because they drew everything by hand, it took them ages to create even one image. The development of computers changed everything. Starting in the 1960s, artists used computer graphics to create ever more complex 3-D art. At first the 3-D images were simple shapes and designs. As computer graphic technology improved, and as the artists grew in their craft, more detailed and exciting pictures were created.

We can see these pictures in three dimensions because all human beings have 'binocular' vision. Our eyes are several centimetres apart, so each eye sees things from a slightly different angle. This information is combined in the brain to give us a 3-D view of the world. Stereograms, although they look like simple abstract patterns, actually contain all the information the brain needs to 'see' a 3-D image. The information for

the right eye is on the right side of the picture, and that for the left eye is on the left side. By relaxing the focus of your eyes, you allow the two sides to overlap, and the brain is 'tricked' into seeing a 3-D picture. It's a simple idea made possible thanks to complex technology. These 3-D pictures really do show us a whole new world!

INSTRUCTIONS

To see these 3-D images you need the right setting. First, find a quiet place with bright lighting, and make sure the picture you look at is evenly lit. Then sit up straight, take a deep breath, and relax. This is very important. The more relaxed you are, the easier it will be to find the images, and the more fun you will have. Also, be patient, particularly at the beginning. It may take several minutes before you can see the picture in three dimensions. So take it easy and don't give up! There are several ways of viewing the 3-D images in this book:

Method One

Begin by looking at the cover picture. The cover is shiny, and you should be able to see your reflection, or the reflection of a light in it. Look at the picture on the cover, but focus your eyes on the reflection. This will make your eyes relax and go out of focus. Stare at the picture for a minute or two until you 'feel' something start to happen. Just relax, continue staring, and the 3-D image will appear.

Method Two

Another way to see the 3-D image is to bring the picture right up to your nose. Don't try to see the image—just let your eyes go completely out of focus. Then, while keeping your eyes out of focus, move the picture back to about arm's length. Keep looking at it with your eyes relaxed, and after a little while, the 3-D image will 'pop' out.

Method Three

A third approach is to try and 'see through' the picture. Look at the page, relax your eyes, and

imagine you are looking 'beyond' the book. Keep looking for a few minutes. Remember, patience is important. So is relaxation. Just take it easy and enjoy yourself. In time a beautiful 3-D image will appear in front of you.

These three methods make up the 'parallel-viewing' technique. There is also a 'cross-eyed' technique that is more comfortable for some people.

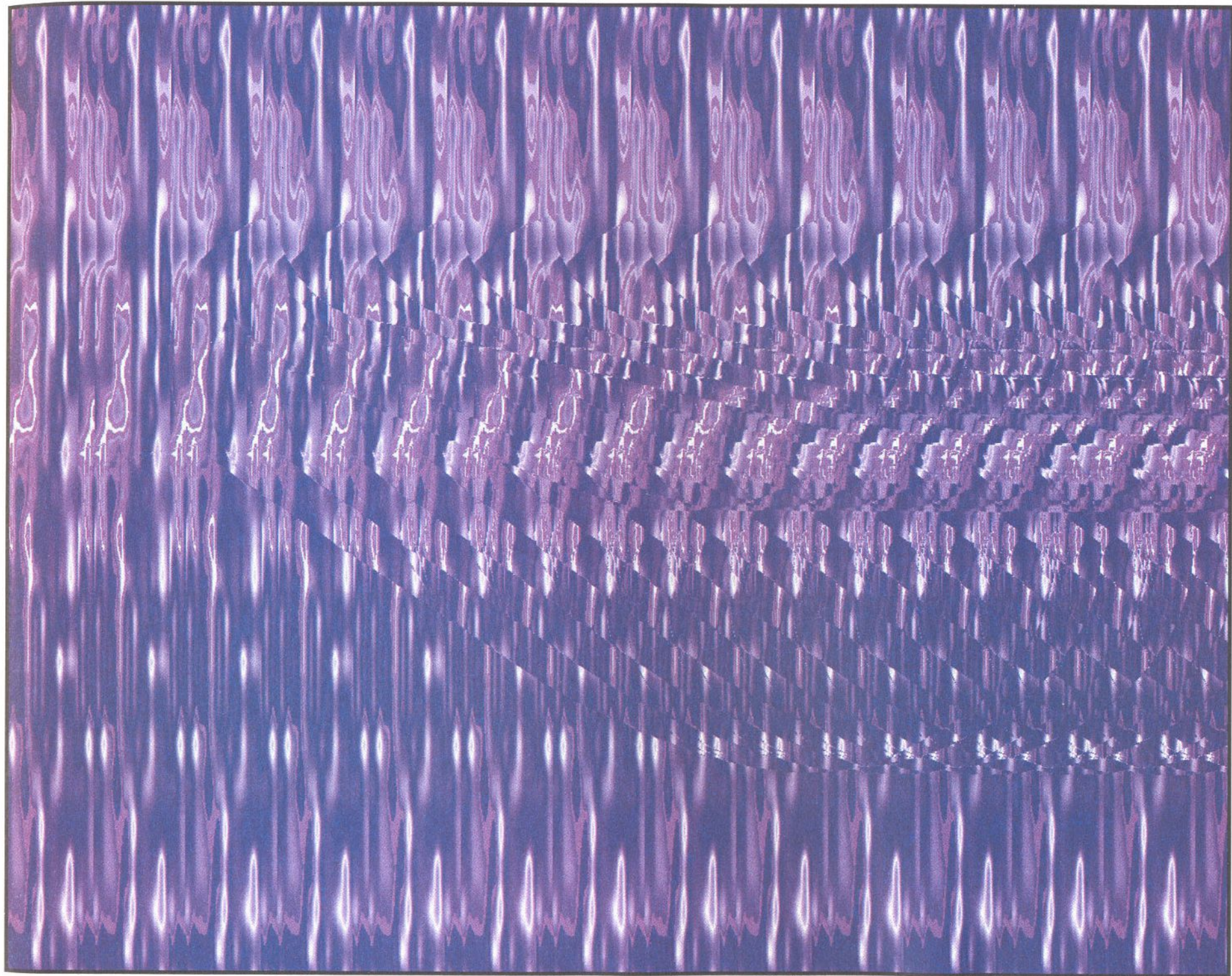
Method Four

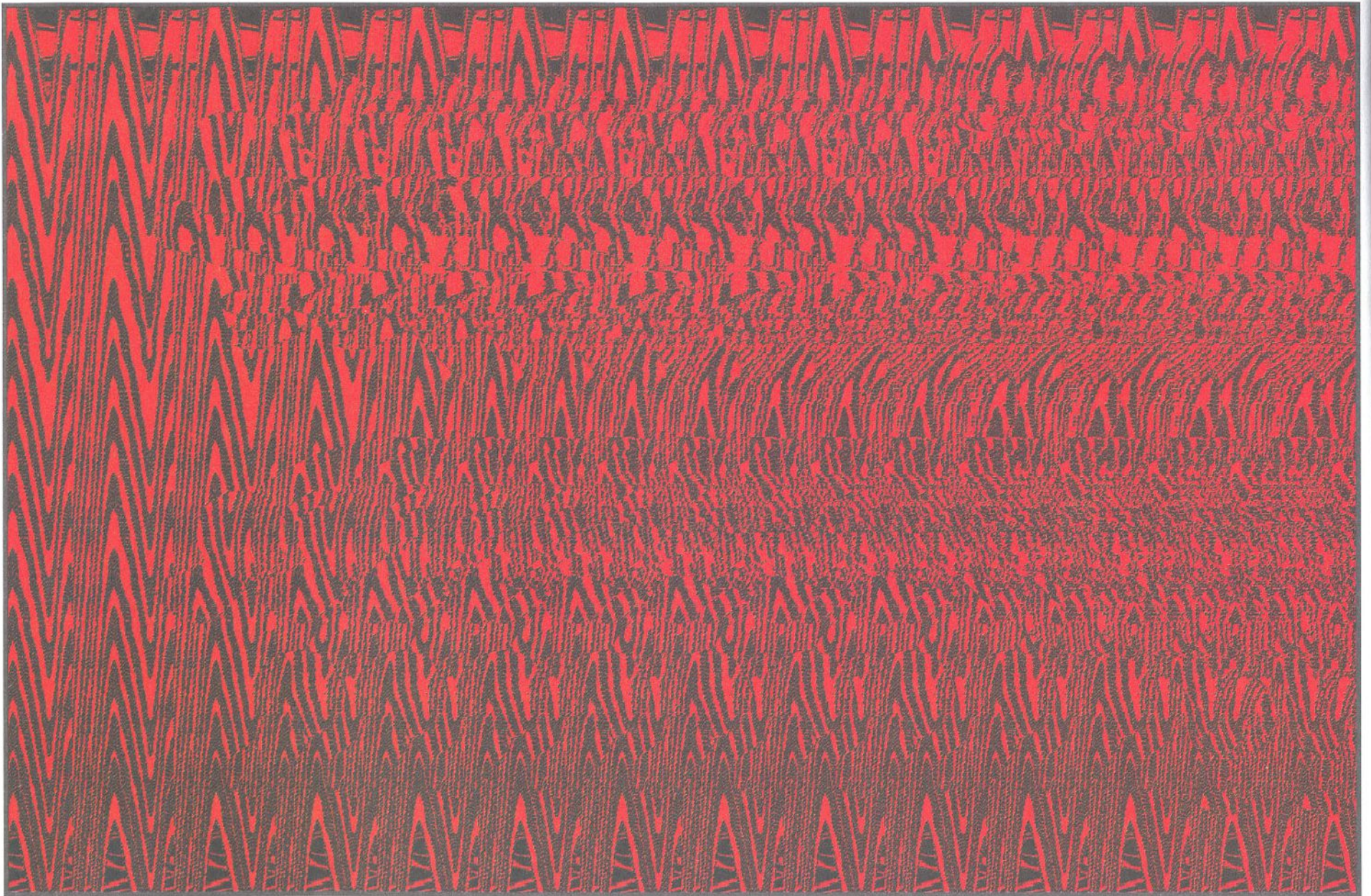
To view the images in the cross-eyed way, bring your finger, or a pen or pencil, up close to your eyes. Focus on the finger, pen or pencil. As you hold this focus look at the stereogram. It may take a few minutes but the 3-D image will appear.

Once you develop one technique try to develop another. Sometimes different techniques allow you to see slightly different images in the same stereogram. For example, if you look at a 3-D image of birds flying in the sky, the parallel-viewing technique may show you the birds in front, with the clouds in the background. With the cross-eyed technique, however, you may see the clouds in front, looking as if the birds have already flown through them leaving bird-shaped holes!

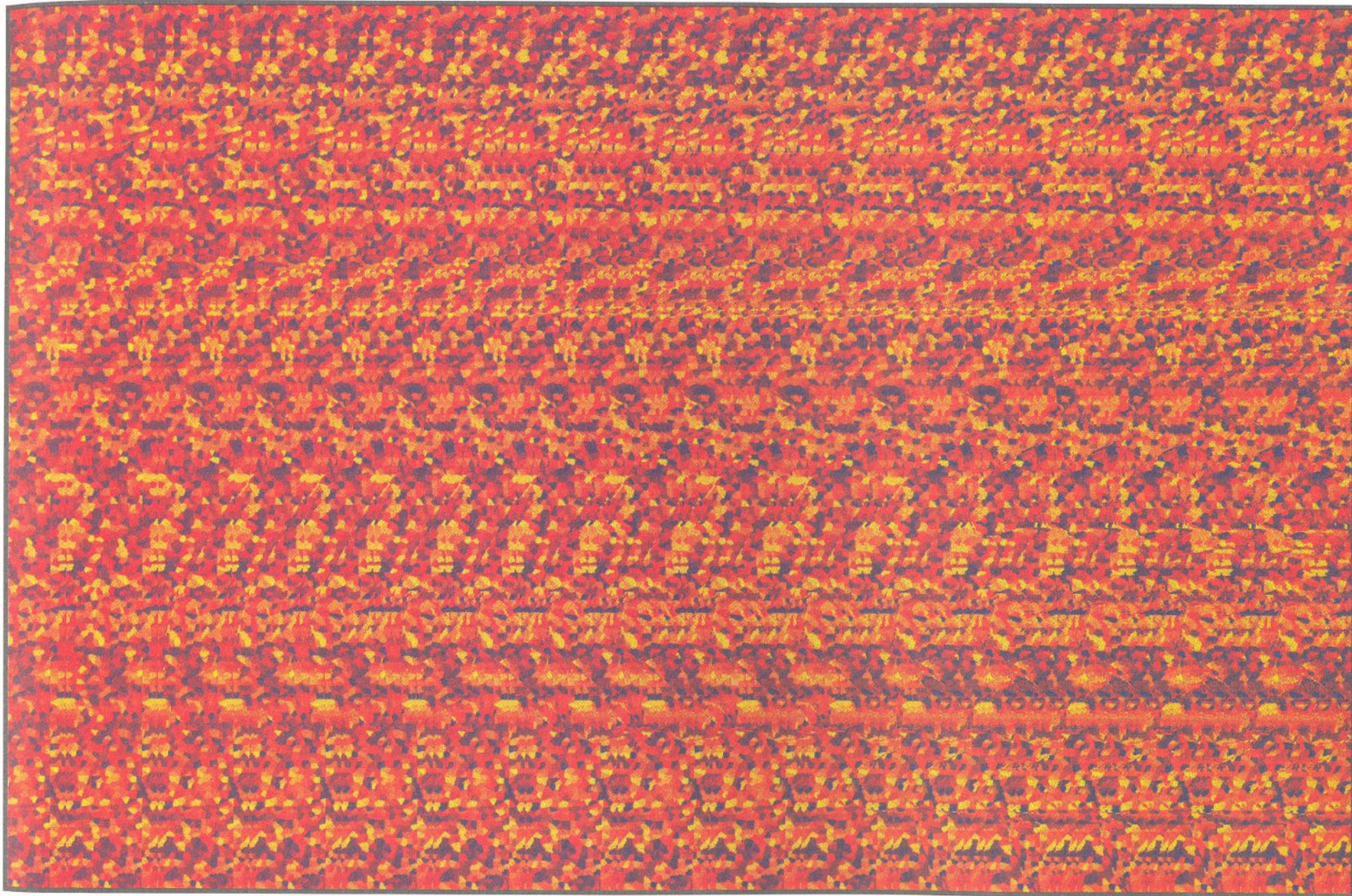
There are 14 images in this book each with a riddle to help you discover what they are. If you're patient and keep at it you will soon be able to see all of them. Then you will be a true expert in the world of 3-D!

Opposite: How do you cross a river or lake without getting wet? Use this! You need to paddle, but you won't put your feet in the water!





Don't go barking up the wrong tree with this Parisian pet.

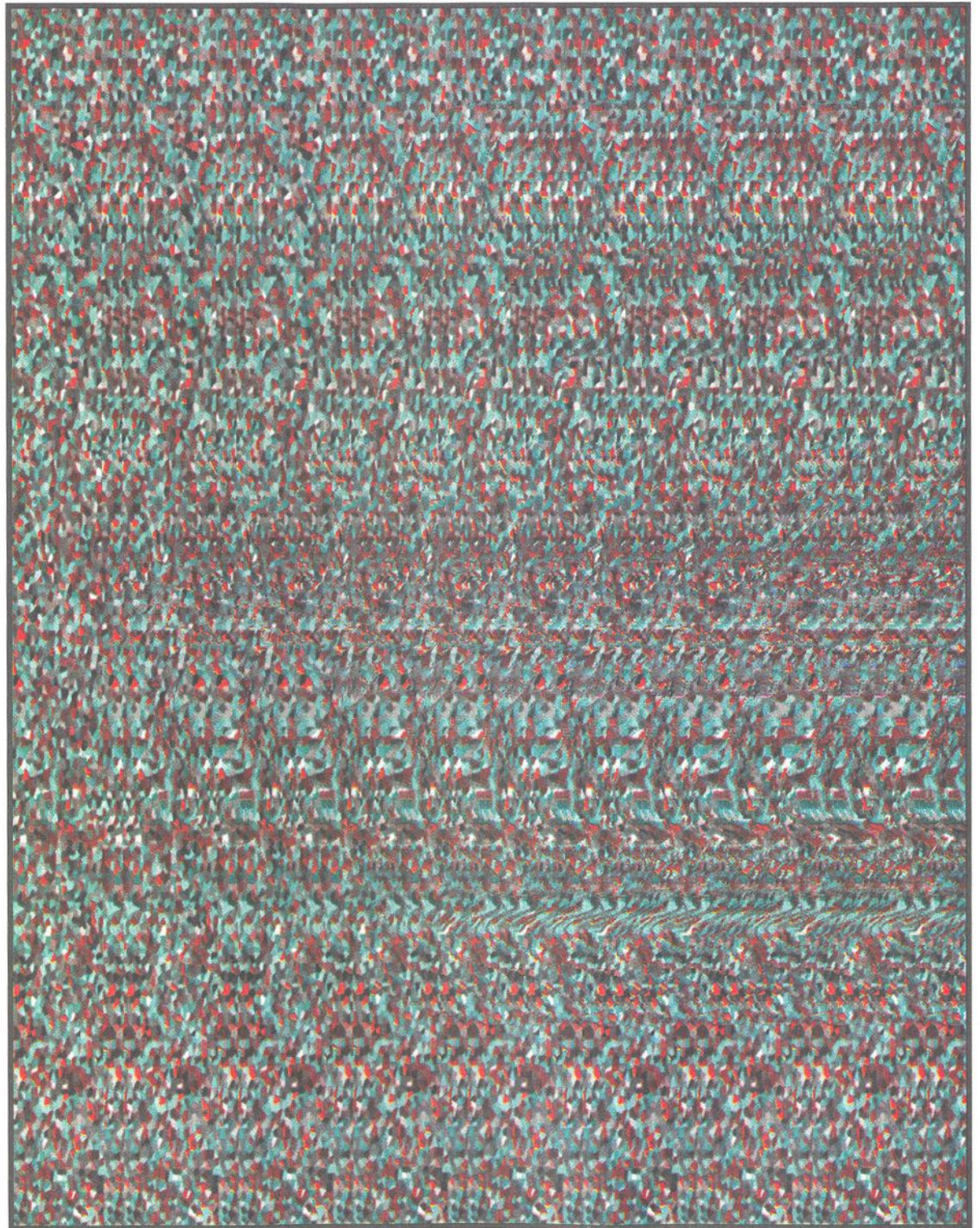


Five points for naming this stellar creature!

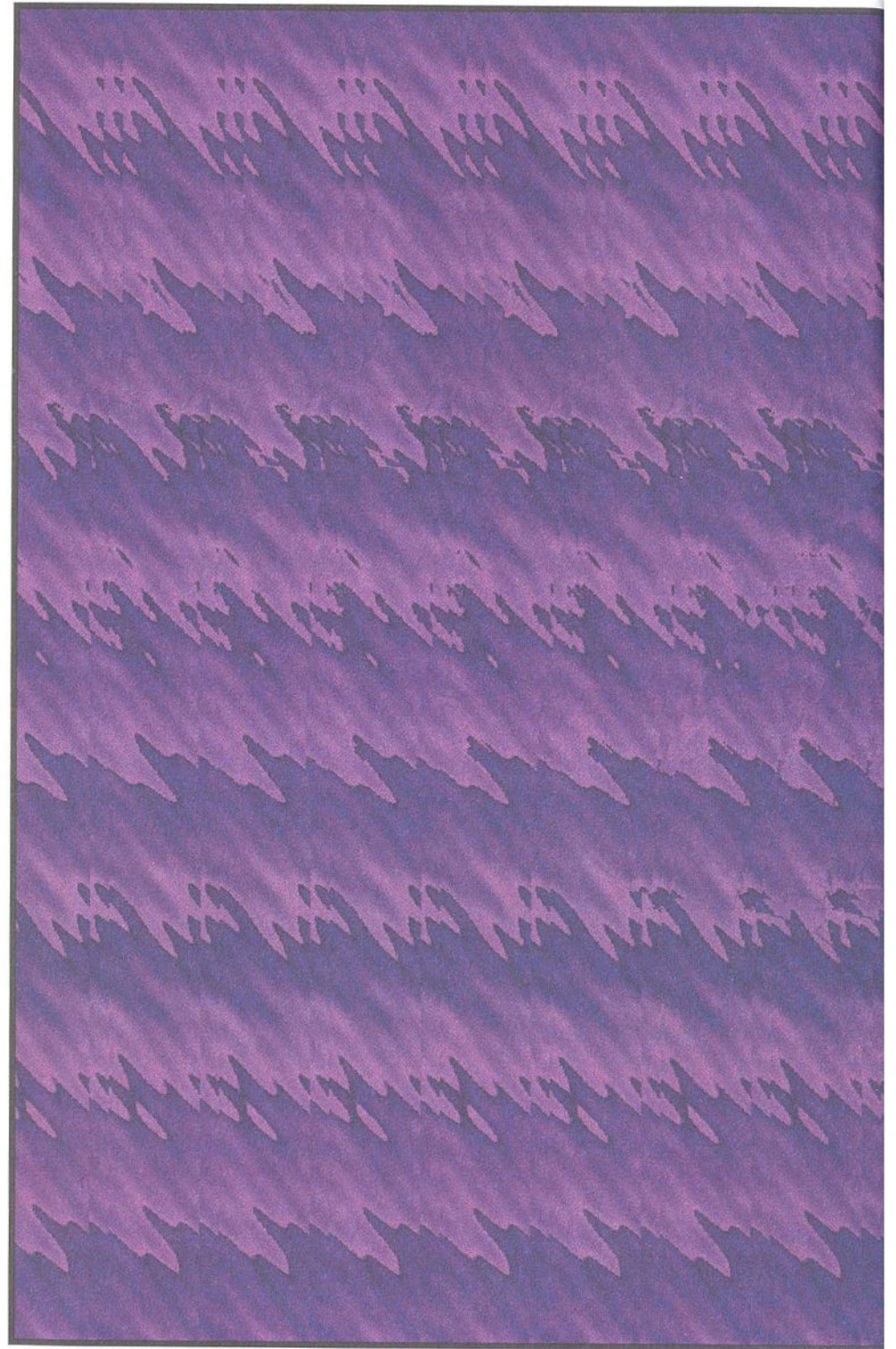
*Up, up and away! This will
take you into the clouds
but it doesn't have wings or
an engine.*

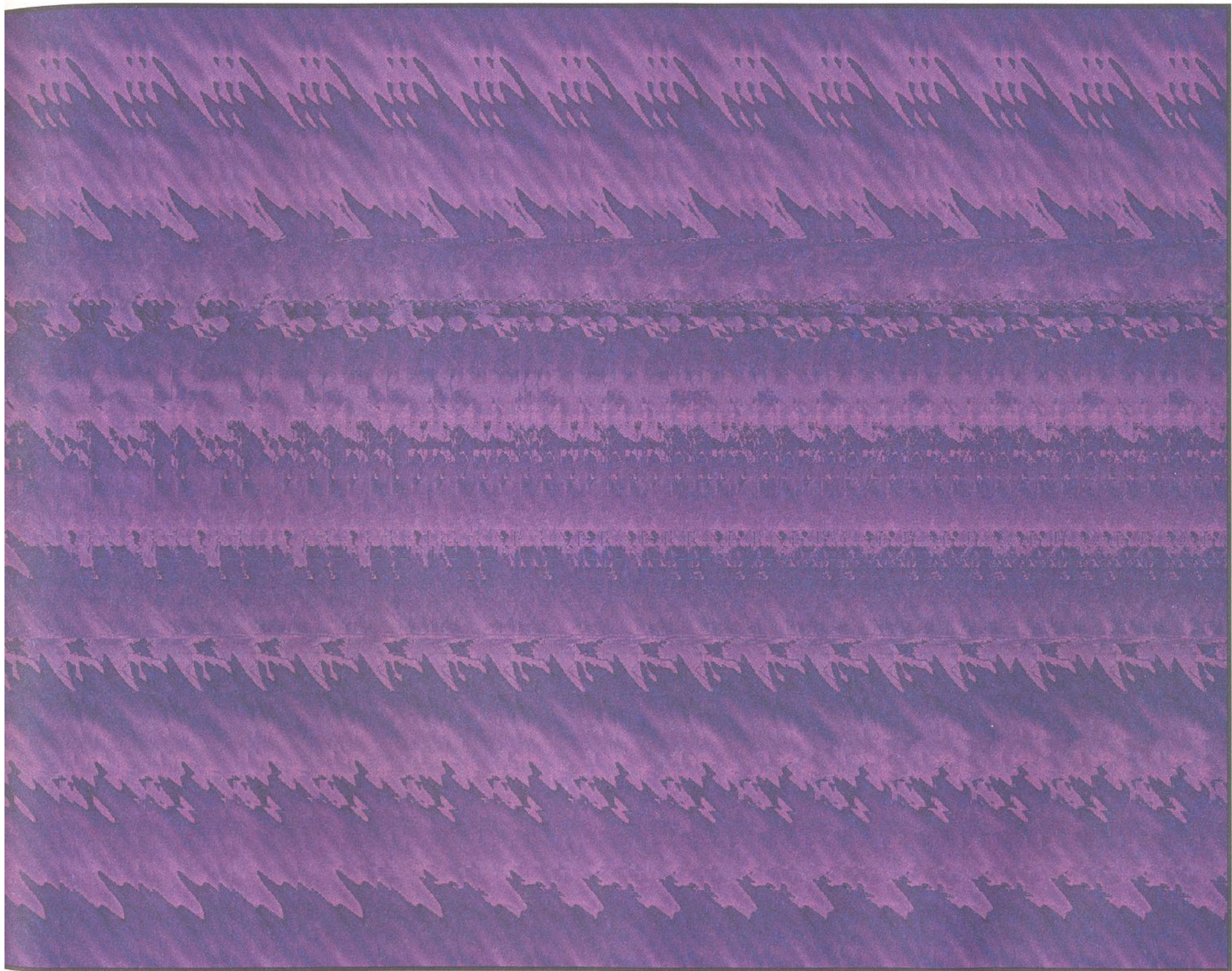


*He enters a ring to make you
laugh. And he always has a
smile because it's painted on
his face.*



*This will take you from here to there
and get you over things that could
block your path. Don't be angry even
though this will make you cross.*





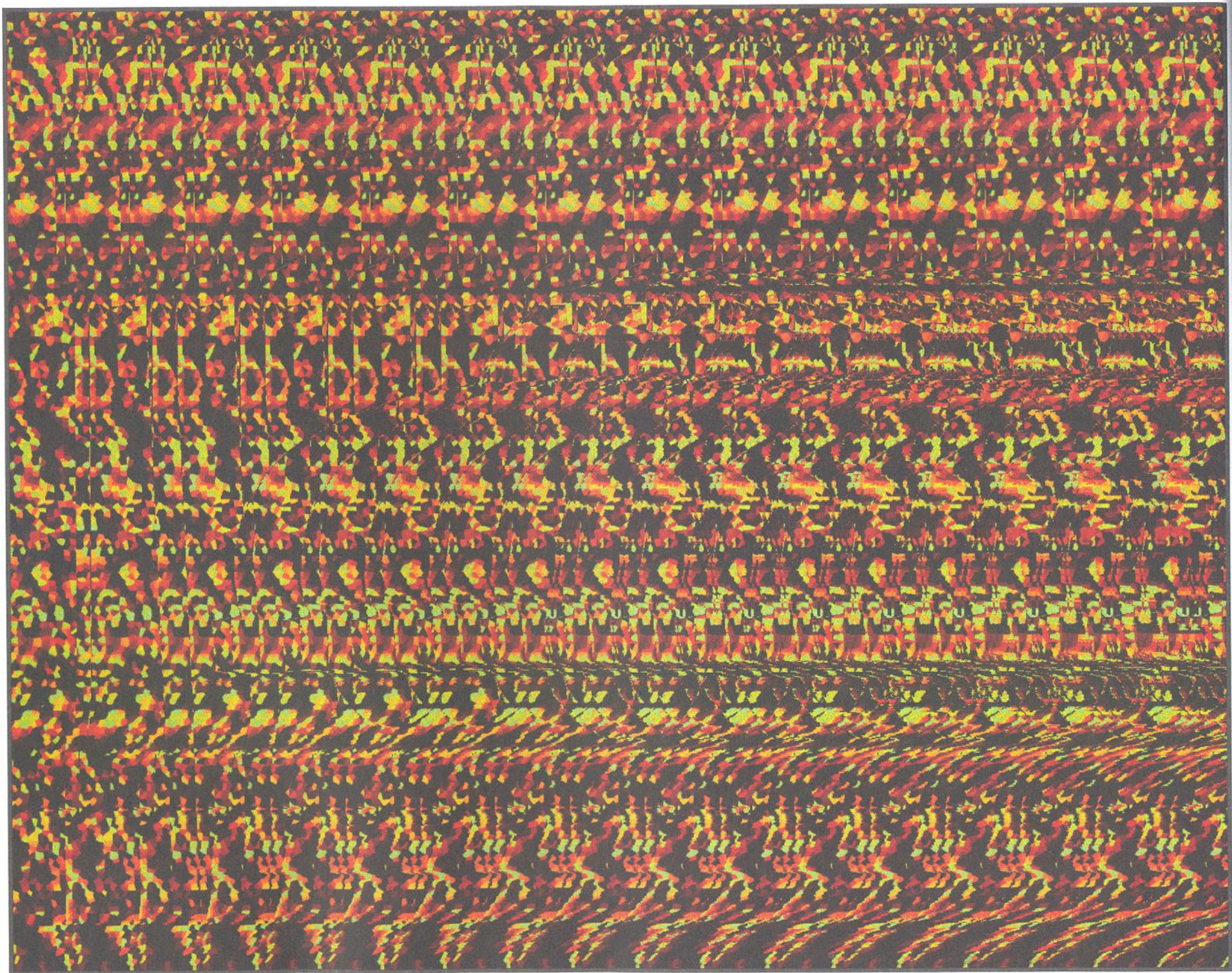


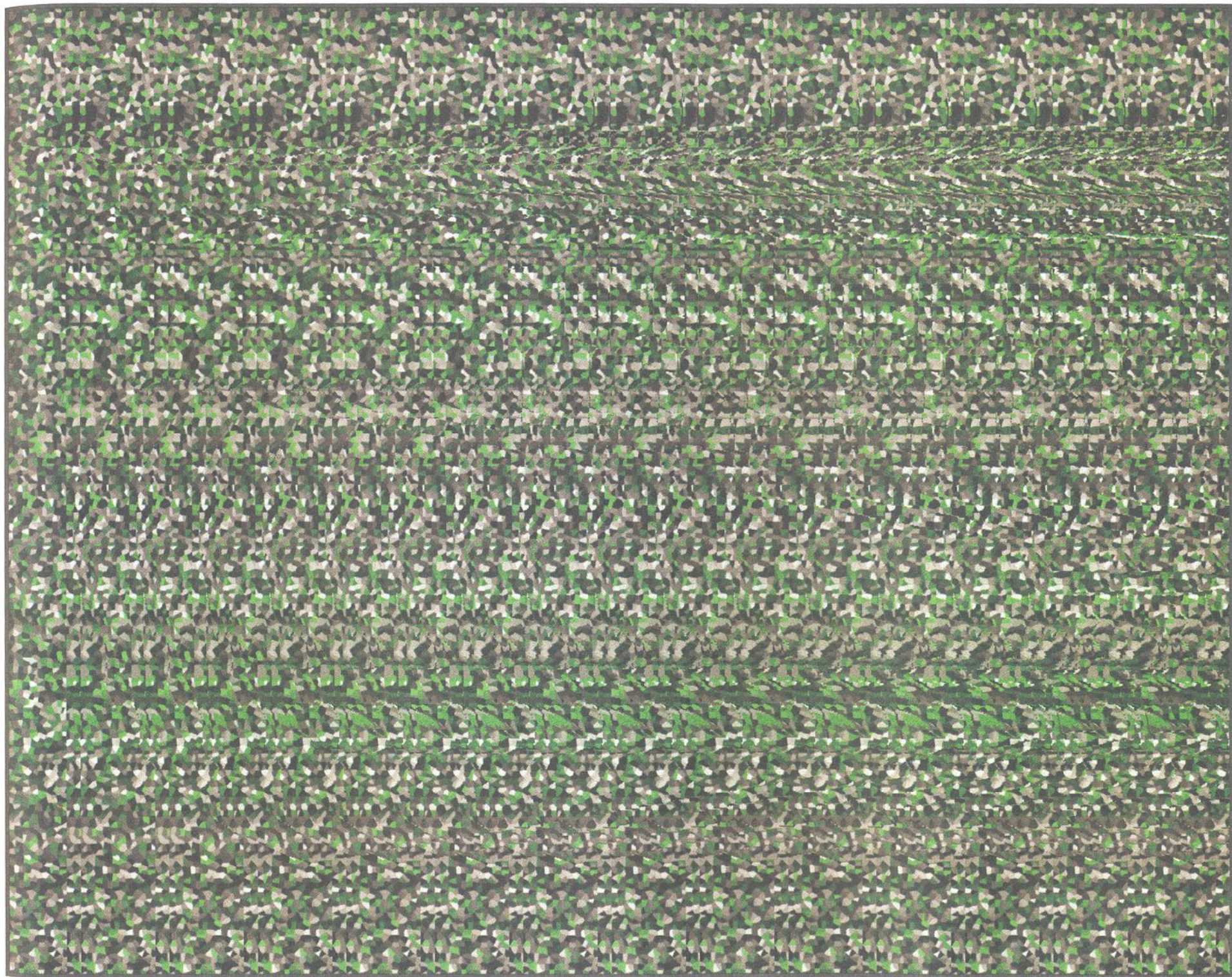
Opposite:

This fortress takes minutes to build and only lasts until the tide comes in.

Overleaf:

It has a boot and a bonnet but it isn't a baby. It never goes inside the house and will really get you on the move.





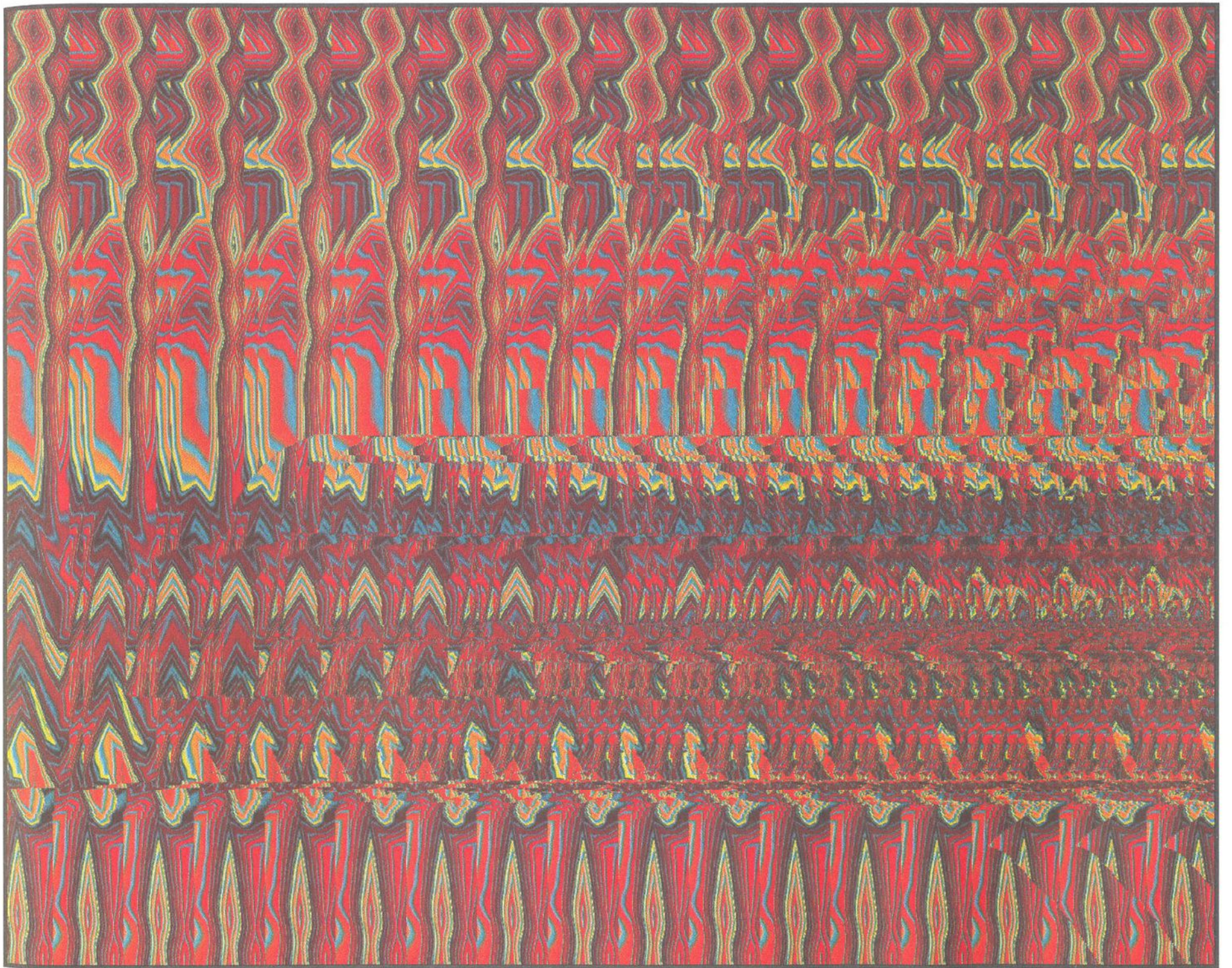
Previous page:

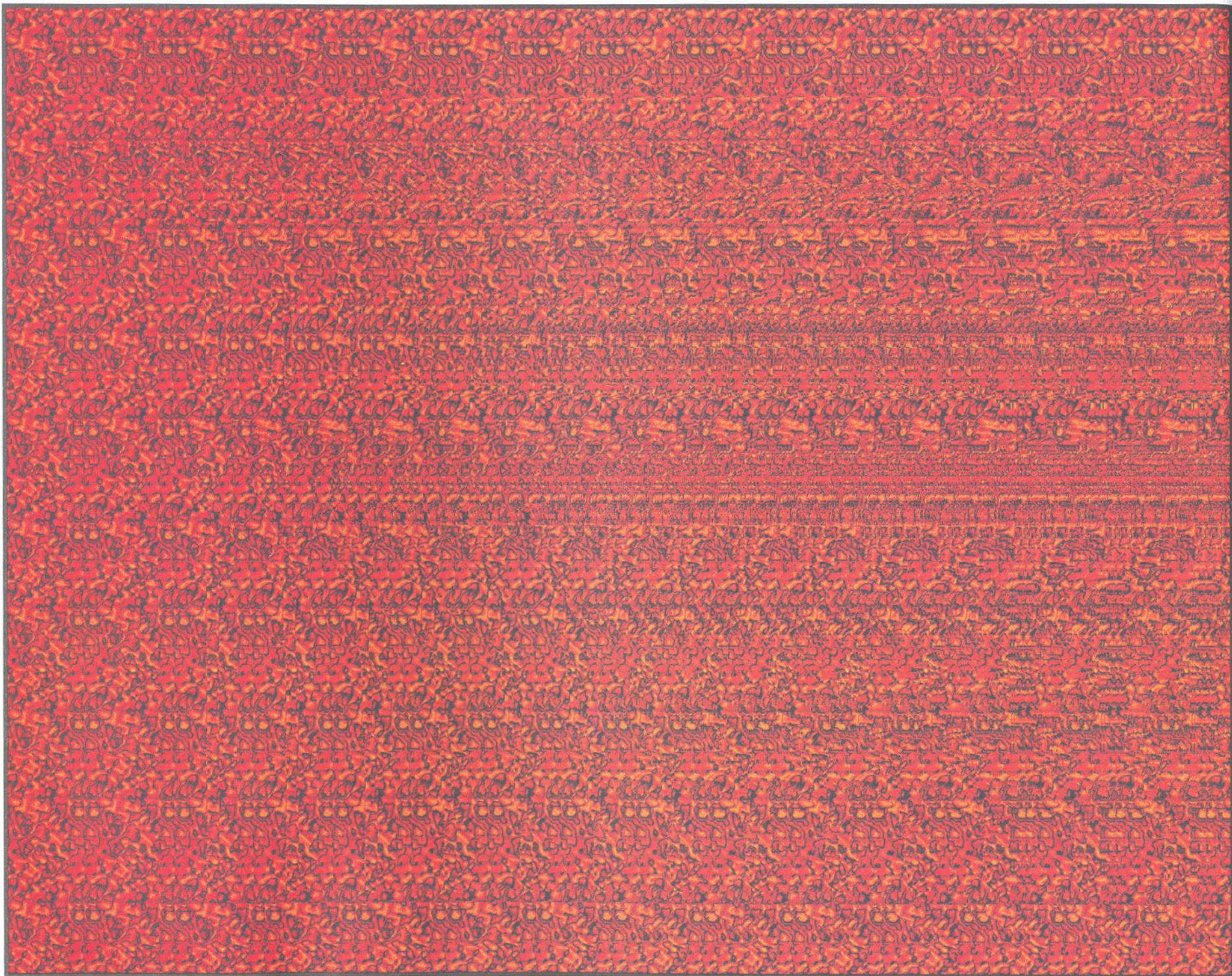
It travels the seas and rarely surfaces.

The crew can see above the surface even though they're below the water.

Opposite:

Here's a tip – this is something to get things moving, although we may be talking a lot of rubbish.

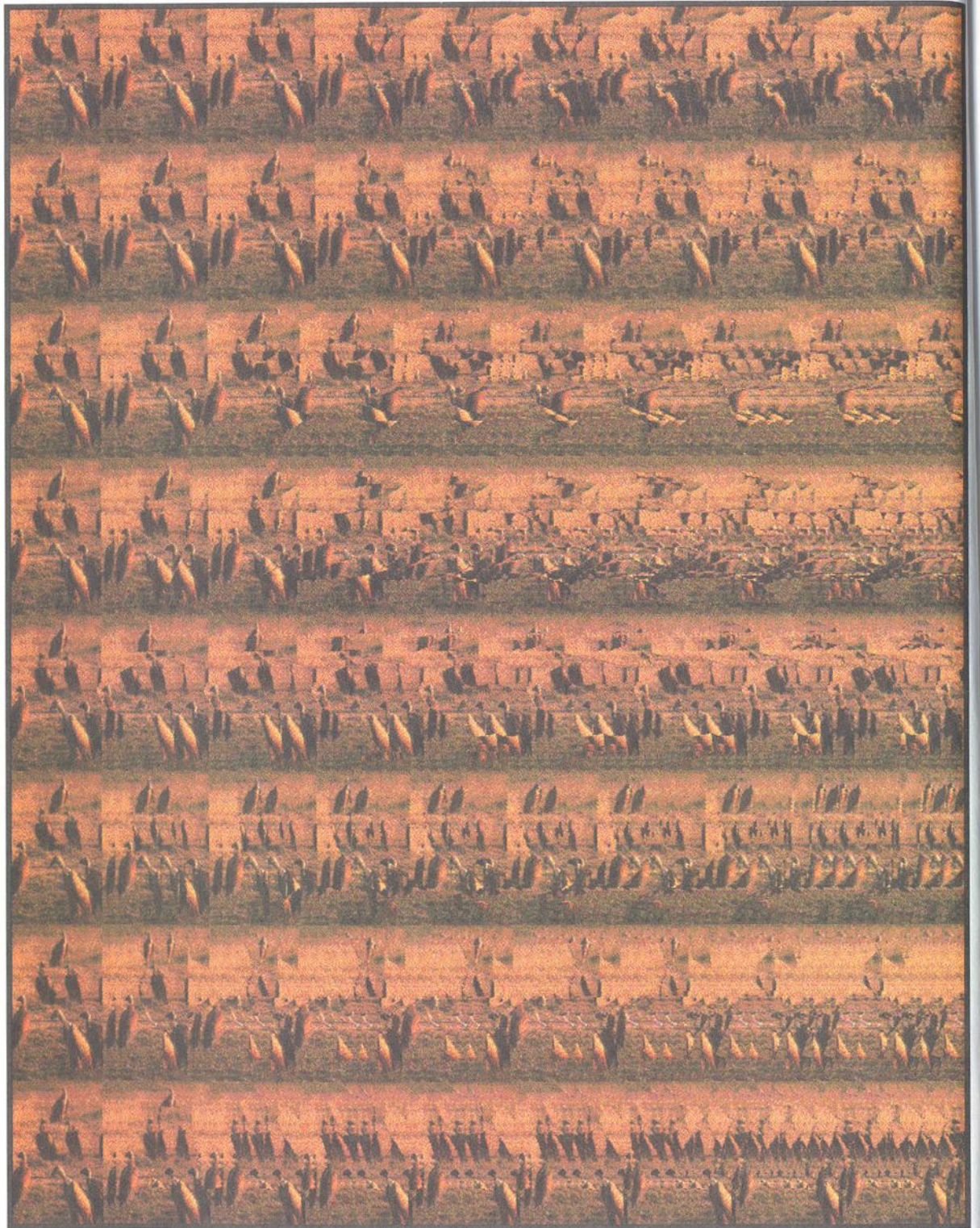




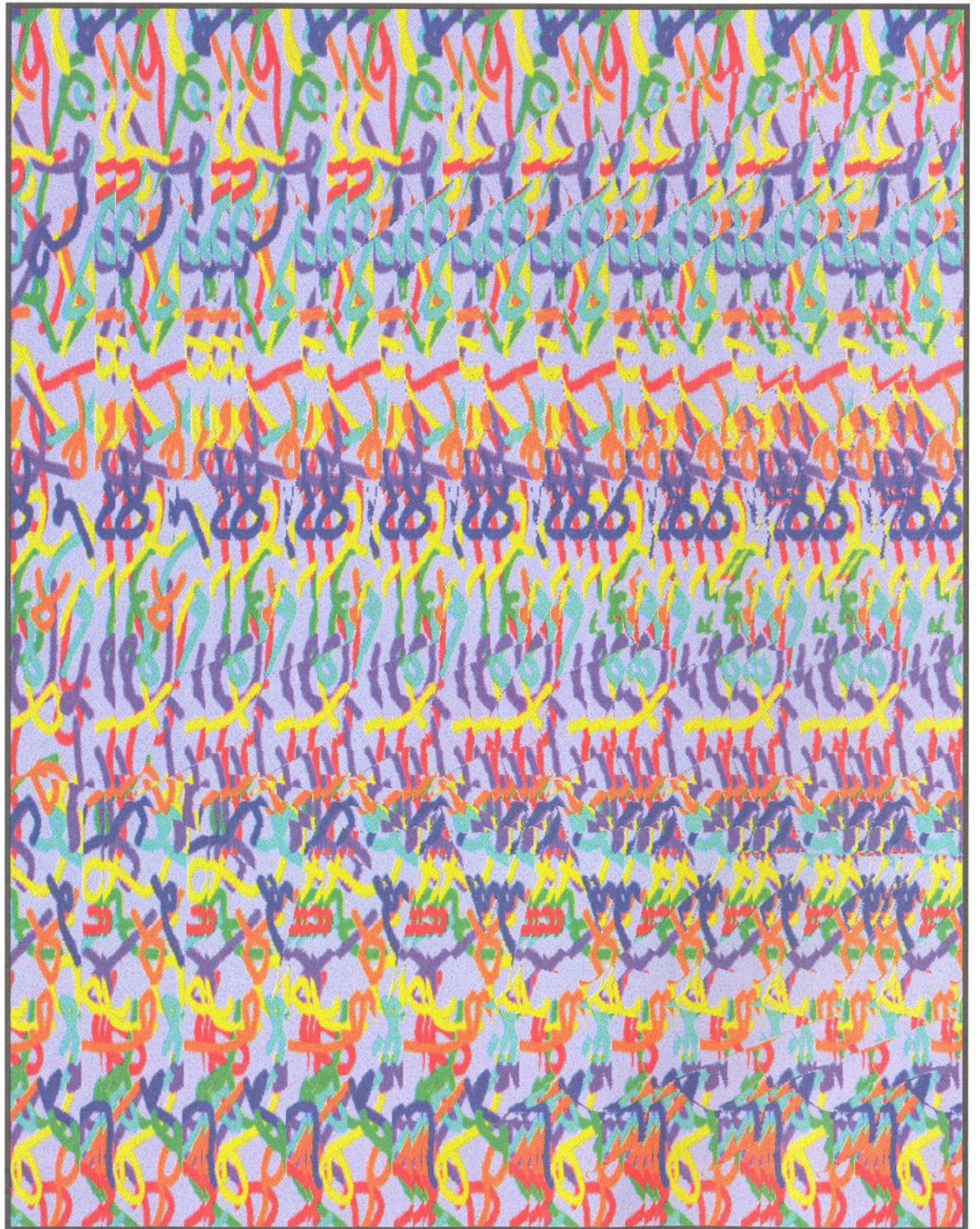
Opposite:

Take heart, as there's a message in here for you. You usually find these as cards – which doesn't mean clubs, diamonds or spades.

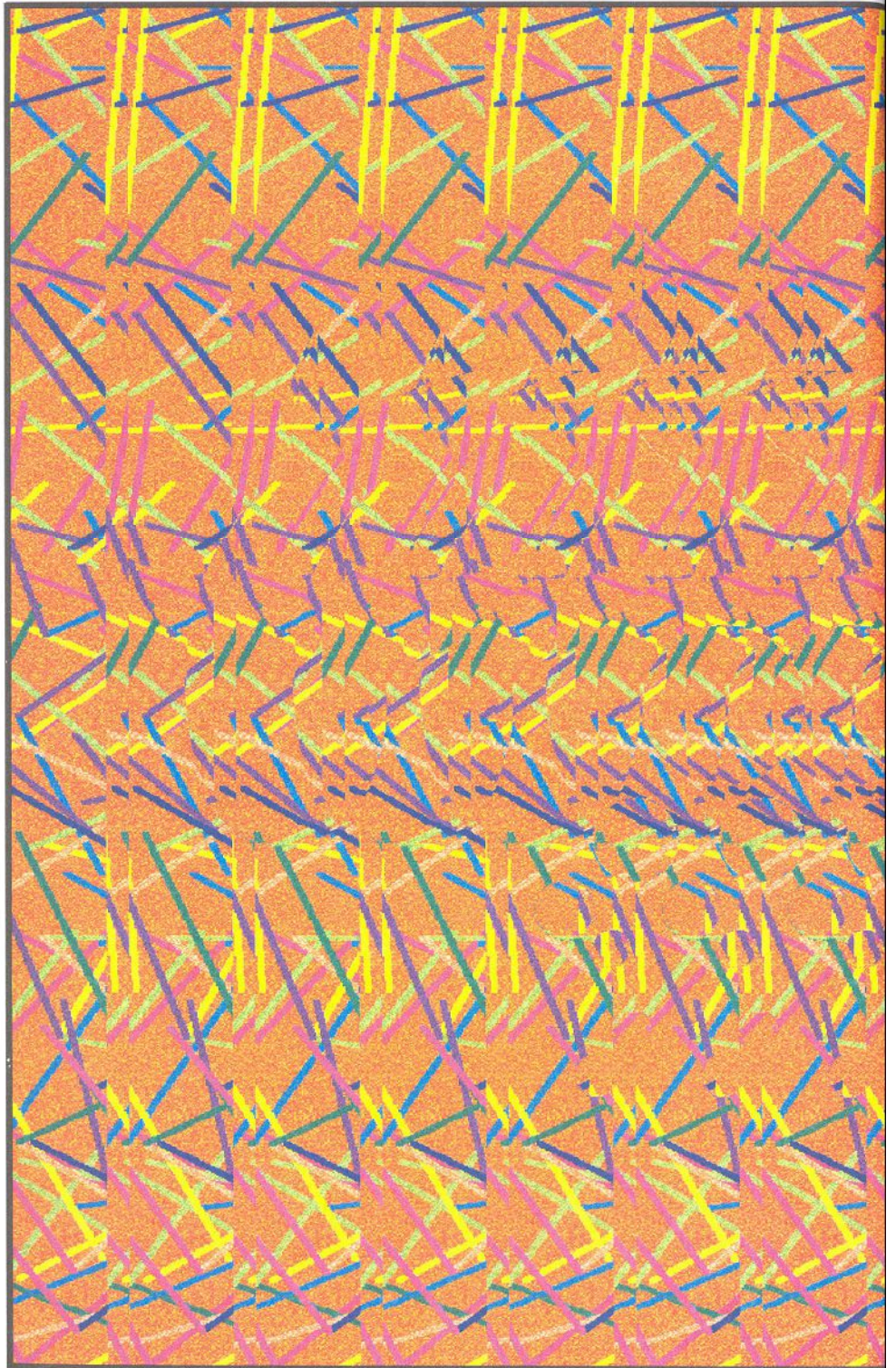
*Make no bones about it, this
is a supporter of everyone!*

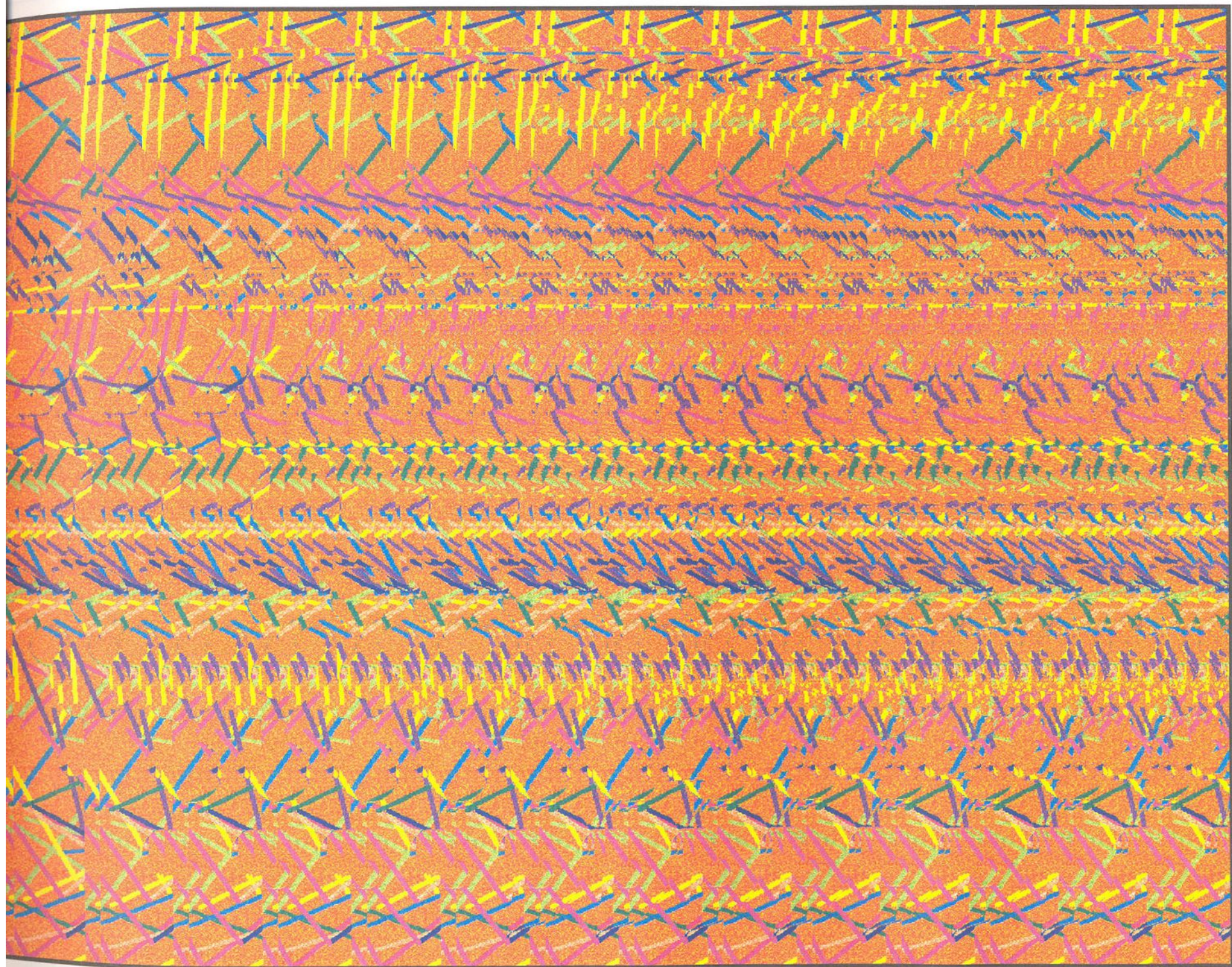


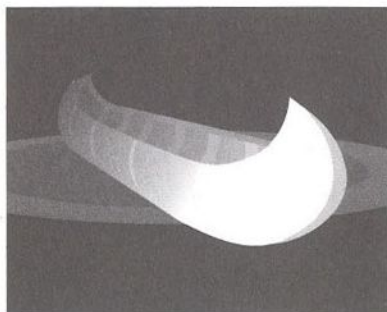
Countdown from ten to zero
and you should be blasting
off towards your answer.



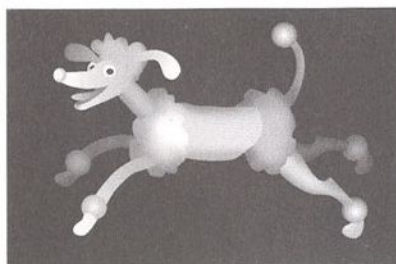
You don't want to go swimming when these are in the water. Fish like these are always ready for a bite.



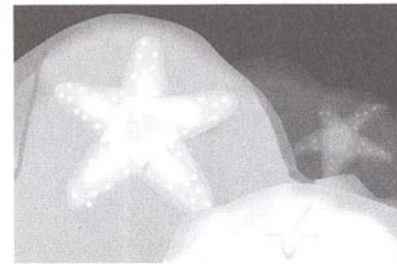




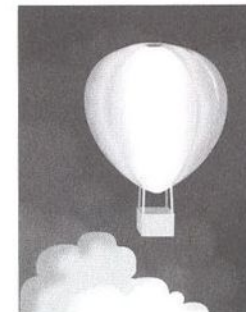
page 5 Canoe



page 6 Poodle



page 7 Starfish



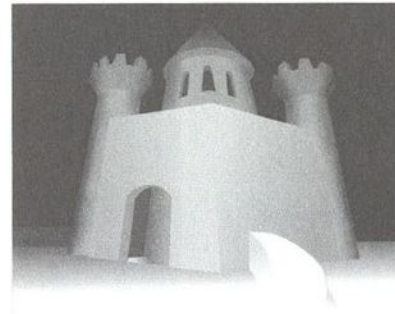
page 8 Hot air balloon



page 9 Clown



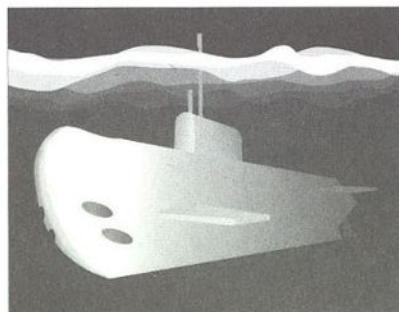
pages 10-11 Bridge



page 12 Sandcastle



page 14 Car



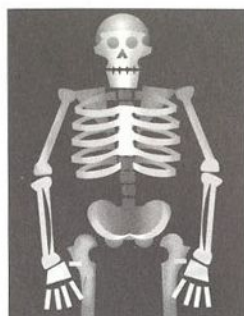
page 15 Submarine



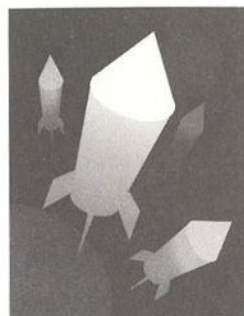
page 17 Tipper truck



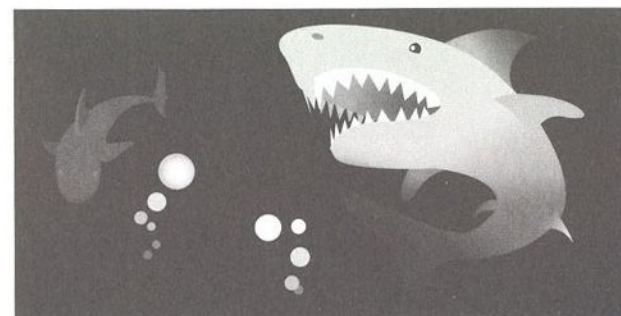
page 18 Valentine



page 20 Skeleton



page 21 Rockets



pages 22-23 Sharks

EYE ILLUSIONS™

What happens when colourful, random dot patterns conceal amazing three-dimensional pictures? It's EYE ILLUSIONS magic! You can find the incredible pictures that are masterfully hidden with just a little focus-pocus!

Find out how as you read this amazing book. The accompanying text will help you 'see' the pictures – if you can crack the riddles! EYE ILLUSIONS will change the way you see the world! Collect all four titles.



Front cover
hidden picture

You might eat this or you may come face to face with it on a dark October night when its soft centre will have been replaced by something lighter. What is it?

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Published by LADYBIRD BOOKS LTD
Loughborough Leicestershire UK
Printed in the USA

£2.99
net

ISBN 0-7214-7569-8



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